

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A pressure-sensitive adhesive sheet comprising a composite film comprised by a composition containing a urethane polymer and a vinyl polymer as effective components, a first film comprising a material different from that of the composite film, the first film laminated on one side of the composite film, and a pressure-sensitive adhesive layer formed on the other said of the composite film, wherein the pressure-sensitive adhesive sheet has a modulus of 9 N/mm² or more and 250 N/mm² or less when an oblong piece of the pressure-sensitive adhesive sheet with a width of 20 mm is bent at a radius of curvature of 3.0 mm.

2. (original): The pressure-sensitive adhesive sheet as claimed in claim 1, wherein the pressure-sensitive adhesive sheet has a modulus of 15 N/mm² or more and 250 N/mm² or less when an oblong piece of the pressure-sensitive adhesive sheet with a width of 20 mm is bent at a radius of curvature of 3.0 mm.

3. (original): The pressure-sensitive adhesive sheet as claimed in claim 1, wherein the vinyl polymer is an acrylic polymer.

4. (currently amended): The pressure-sensitive adhesive sheet as claimed in claim 1, wherein the composite film comprises a film obtained by reacting a polyol and a polyisocyanate in a radical polymerizable monomer to form a urethane polymer, coating a mixture of the urethane polymer and the radical polymerizable monomer on the first layer film and irradiating a radiation onto the coating to cure it.

5. (original): The pressure-sensitive adhesive sheet as claimed in claim 4, wherein the radical polymerizable monomer is an acrylic monomer.

6. (original): The pressure-sensitive adhesive sheet as claimed in claim 1, wherein the composite film has a storage modulus at 25°C of less than 2.0×10^8 Pa and a storage modulus at 100°C of 3.0×10^5 Pa or more.

7. (original): pressure-sensitive adhesive sheet as claimed in claim 6, wherein the first film has a storage modulus at 25°C of 2.0×10^8 Pa or more.

8. (original): The pressure-sensitive adhesive sheet as claimed in claim 7, wherein the first film has a thickness (t1) of 10 µm or more and 200 µm or less and the composite film has a thickness (t2) of 10 µm or more and 300 µm or less, and wherein a ratio of the thicknesses (t1/t2) is $t1/t2 = 0.1$ to 10.

9. (canceled).

10. (original): The pressure-sensitive adhesive sheet as claimed in claim 1, wherein the first film has a thickness (t1) of 10 µm or more and 200 µm or less and the composite film has a thickness (t2) of 10 µm or more and 300 µm or less, and wherein a ratio of the thicknesses (t1/t2) is $t1/t2 = 0.1$ to 10.

11.-12. (cancelled).

13. (withdrawn): A method of producing a pressure-sensitive adhesive sheet, comprising coating a mixture containing a urethane polymer and a radiation polymerizable monomer on a first film, irradiating a radiation onto the coating to cure it to form a composite film, and forming a pressure-sensitive adhesive layer on the composite film.

14. (withdrawn): The method of producing a pressure-sensitive adhesive sheet as claimed in claim 13, wherein the mixture is produced by reacting a polyol and a polyisocyanate in the radical polymerizable monomer to form a urethane polymer.

15. (withdrawn): A method of producing a multi-layer sheet, comprising coating a mixture of a urethane polymer and a radical polymerizable monomer on a first film and irradiating a radiation onto the coating to cure it to form a composite film.

16. (withdrawn): The method of producing a multi-layer sheet as claimed in claim 15, wherein after the mixture is coated on the first film, a second film is overlaid thereon and the radiation is irradiated above the second film to cure the coating to form a composite film, thereby forming a multi-layer sheet having the first film, the composite film and the second film.

17. (withdrawn): The method of producing a multi-layer sheet as claimed in claim 15, wherein the mixture is produced by reacting a polyol and a polyisocyanate in the radical polymerizable monomer to form a urethane polymer.

18. (withdrawn): The method of producing a multi-layer sheet as claimed in claim 15, wherein the method comprises reacting a polyol and a polyisocyanate in the radical polymerizable monomer to form a urethane polymer, coating a mixture containing the urethane polymer and the radical polymerizable monomer on a base material, irradiating a radiation onto the coating to cure it to form on one side of the first layer a composite film having a storage modulus at 25°C of less than 2.0×10^8 Pa and a storage modulus at 100°C of 3.0×10^5 Pa or more.

19. (withdrawn): A method of processing a product, comprising applying a pressure-sensitive adhesive sheet to a product to be precision processed and conducting precision processing of the product in a held and/or protected state, wherein the pressure-sensitive adhesive sheet comprising a composite film comprised by a composition containing a urethane polymer and a vinyl polymer as effective components, and a first film comprising a material different from that of the composite film, the pressure-sensitive adhesive sheet having a modulus of 9 N/mm^2 or more and 250 N/mm^2 or less when an oblong piece of the pressure-sensitive adhesive sheet with a width of 20 mm is bent at a radius of curvature of 3.0 mm.